

FLEX-ABILITY  
CONCEPTS

AND CEILING  
THE CURVED WALL PEOPLE

Toll Free 866.443.FLEX (3539)  
Tel 405.996.5343 Fax 405.996.5353  
info@flexabilityconcepts.com

FLEXABILITYCONCEPTS.COM

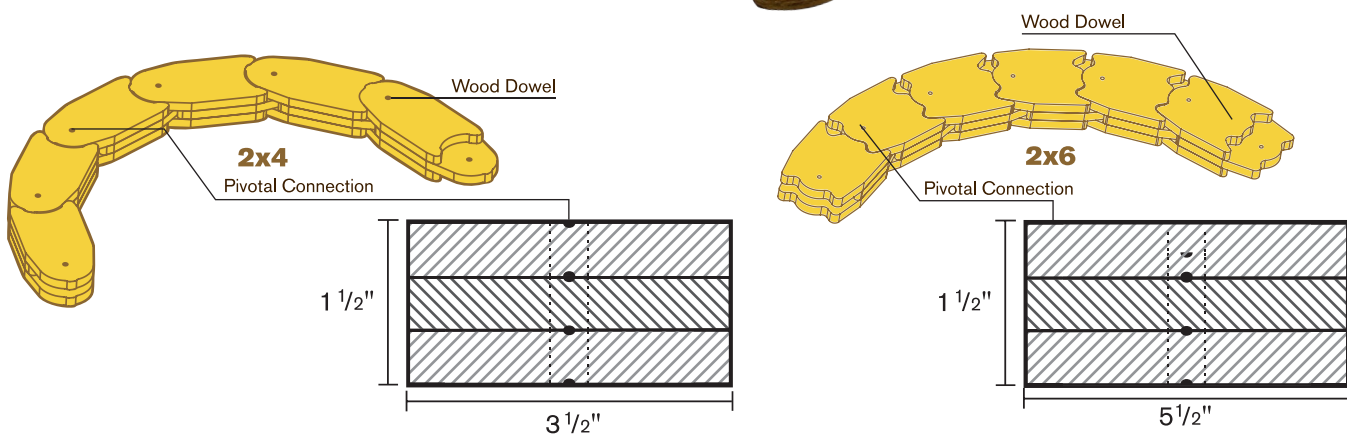
3840 N. Tulsa Ave,  
Oklahoma City, OK 73112



# Quick Curve PLATE

## 2x4 2x6 Untreated

### SECTIONAL VIEWS



**Adding distinctive features to wood framing is quicker and simpler than ever!**

**Quick Curve Plate** is an extremely easy-to-use plywood framing product. Use it to frame curved applications such as curved walls, ceilings, soffits, and light covers...nearly any architectural feature you can dream up.

### Shaped and Secured in Seconds.

First, shape **Quick Curve Plate** to the desired position.

Second, nail/staple into the pivot area to lock the shape.

Finally, install **Quick Curve Plate** as you would other framing members.

### SPECIFICATIONS:

Quick Curve Plate is made from CDX plywood.

**2x4 Quick Curve Plate's** minimum outside radius is 12".

**2x6 Quick Curve Plate's** minimum outside radius is 18".

## PART 1 – GENERAL

### 1.1 DESCRIPTION

- A. Scope of Work: All interior and exterior load bearing and non load-bearing wood plate, wood studs, and related accessories are as indicated on the Contract Drawings and specified herein.
- B. Related work specified elsewhere.
  - 1. Carpentry and Millwork.
  - 2. Glue-Laminated Members.

### 1.2 SUMMARY

- A. This Section includes the following:
  - 1. Exterior and Interior non load-bearing walls.
  - 2. Exterior and Interior load bearing walls.

### 1.3 PERFORMANCE REQUIREMENTS

- A. Engineering Responsibility: Engage a fabricator who assumes undivided responsibility for engineering QUICK QURVE PLATE by employing a qualified professional engineer to prepare design calculations, shop drawings, and other structural data.
- B. Design exterior non load-bearing curtain wall framing to accommodate lateral deflection without regard to contribution of sheathing materials.
- C. All exterior and interior load bearing applications are to be engineered by a qualified professional engineer.

### 1.4 QUALITY ASSURANCE

- A. Installer Qualifications: Engage an experienced Installer who has completed wood framing similar in material, design, and extent to that indicated for this project and with a record of successful in-service performance.
- B. Standard
  - 1. Work shall meet the requirements of the following standards:
    - a. American Society for Testing Materials (A.S.T.M.)
    - b. All pertinent Federal, State, and Local codes.
  - 2. The most stringent requirements shall govern in conflicts between specified codes and standards.
- C. Inspection
  - 1. As directed by Architect, Owner's testing agency may inspect the maintenance of a quality control program including spot checking framing procedures in accordance with architect or engineer specified standards.
  - 2. Full responsibility for quality control shall remain with the Contractor.

### 1.5 DELIVERY, STORAGE, AND HANDLING

- A. Protect QUICK QURVE PLATE from deformation, and other damage during delivery, storage, and handling.
- B. Store QUICK QURVE PLATE, protect with waterproof covering, and ventilate to avoid condensation.

### 1.6 SUBMITTALS

- A. Drawings
  - 1. Submit drawings prepared by the manufacturer for approval by the Project Architect and Engineer. These drawings should include:
    - a. Cross-sections, plans and/or elevations depicting component locations.
    - b. Connection details showing fastener types and locations, or other related fastener requirements.
    - c. Where the Contractor intends on erecting prefabricated/ pre-finished panels, drawings depicting panel configurations, dimensions and locations would be developed by the Contractor.

## PART 2 – PRODUCTS

### 2.1 AVAILABLE MANUFACTURERS:

- A. Manufacturers offering QUICK QURVE PLATE that may be incorporated in the work include, and are limited to, the following:
  - 1. FLEX-ABILITY CONCEPTS - 3840 N. Tulsa Ave, Oklahoma City, OK 73112 | Tel 405.996.5343 | Fax 405.996.5353  
www.flexabilityconcepts.com

## 2.2 MATERIALS

- A. UNTREATED QUICK QURVE PLATE assembly-as follows:
  - 1. CDX plywood.
  - 2. As manufactured by Flex-Ability Concepts.
- B. TREATED QUICK QURVE PLATE assembly-as follows:
  - 1. CDX plywood.
  - 2. Pressure-preservative treated.
  - 3. As manufactured by Flex-Ability Concepts.

### 2.3 WALL FRAMING

- A. Wood Studs: Per applicable drawing specifications.
- B. QUICK QURVE PLATE: manufacturer's standard pivotal plywood plate assembly with doweled flanges.

### 2.4 FRAMING ACCESSORIES

Not Applicable.

### 2.5 FASTENERS

- A. Mechanical Fasteners: Corrosion-resistant nails or staples.
  - 1. As consistent with industry standard for wood framing applications.

### 2.6 FABRICATION

- A. Fabricate QUICK QURVE PLATE and accessories plumb, square, true to line, true to radius, and with connections securely fastened, according to manufacturer's recommendations and the requirements of this Section.
  - 1. Fabricate assemblies in jig templates or free form scribed radiuses.
  - 2. Cut QUICK QURVE PLATE by sawing.
  - 3. Fasten QUICK QURVE PLATE by nailing or stapling as standard with fabricator.
    - a. Comply with Architect or Engineers Specifications per the plans.
    - b. Locate fasteners and install according to QUICK QURVE PLATE manufacturer's instructions.
  - 4. Fasten other materials to QUICK QURVE PLATE by bolting, nailing, stapling, or screw fastening, according to manufacturer's recommendations.
- B. Reinforce, stiffen, and brace framing assemblies to withstand handling, delivery, and erection stresses. Lift fabricated assemblies to prevent damage or distortion.
- C. Fabrication Tolerances: Fabricate assemblies as required.

## PART 3 – EXECUTION

### 3.1 INSTALLATION, GENERAL

- A. QUICK QURVE PLATE may be shop or field fabricated for installation, or it may be field assembled.
- B. Install QUICK QURVE PLATE and accessories plumb, square, true to line, true to radius, and with connections securely fastened, according to manufacturer's recommendations and the requirements of this Section.
  - 1. Cut QUICK QURVE PLATE by sawing.
  - 2. Fasten QUICK QURVE PLATE members by nailing or staple fastening as standard with fabricator.
    - a. Comply with Manufacturer's installation specifications.
    - b. Locate fasteners and install according to QUICK QURVE PLATE manufacturer's instructions.
  - C. Install QUICK QURVE PLATE members in one or multi-piece lengths as specified.
  - D. Splice QUICK QURVE PLATE segments by overlapping flange from one QUICK QURVE PLATE to the groove of another and attaching manufacturer's supplied wood dowels at overlapping flange intervals.  
Light hammering will be required to properly seat wood dowels into place.
  - E. Provide temporary bracing and leave in place until framing is permanently stabilized.
  - F. Do not bridge building expansion and control joints with QUICK QURVE PLATE. Independently frame both sides of joints.

### 3.2 REPAIRS AND PROTECTION

- A. Provide final protection and maintain conditions in a manner acceptable to manufacturer and installer to ensure that QUICK QURVE PLATE is without damage or deterioration at the time of Substantial Completion.